

## WEST Search History for Application 10597129

**Creation Date: 2008042114:09**

Query	DB	Op.	Plur.	Thes.	Date
((magnetic adj resonan\$2) or MRI or NMR)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) ) and ((parallel or PPA) with (imag\$4 or "PI"))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			04-14-2008
(((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) ) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			04-14-2008
(((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") ) and ("in-plane" with (phase adj encod\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			04-14-2008
(((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ("in-plane" with (phase adj encod\$4)) ) and (((gradient or spin) with (echo\$4)) or "GE" or "gr" or "SE")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			04-14-2008
(((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ("in-plane" with (phase adj encod\$4)) and	PGPB, USPT, USOC, EPAB, JPAB,	ADJ			04-14-2008

((gradient or spin) with (echo\$4)) or "GE" or "gre" or "SE") and (((parallel or PPA) with (imag\$4) or "PI") with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatory) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4))	DWPI, TDBD			
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatory or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatory or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) ) (sense or sensitivity)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatory or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) ) (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatory or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) ) (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") ) ((time or duration) with (imaging or sequence or run or trial or scan\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatory or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) ) (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") ) ((time or duration) with (imaging or sequence or run or trial or scan\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-14-2008

and ((time or duration) with (imaging or sequence or run or trial or scan\$4)) ) and (signal\$3 or noise or noisy or SNR or ratio)				
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or ("GE" or "gre" or "SE" or "fse") and ((time or duration) with (imaging or sequence or run or trial or scan\$4)) and (signal\$3 or noise or noisy or SNR or ratio) ) and ((amount or value or level or total or quantity) same (noise or SNR)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) ) and (((((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) ) and (((((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)))) ) and (((gradient or spin or field) with (echo\$4)) or ("GE" or "gre" or "SE" or "fse")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
fetzner	PGPB, USPT,	ADJ	YES	04-14-2008

	USOC, EPAB, JPAB, DWPI, TDBD			
(fetzner ) and (((((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
(fetzner and (((((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)))) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
(fetzner ) and (zhang.in. or zhou.in. or zou.in.)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
(((magnetic adj resonan\$2) or MRI or NMR) ) and (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard or navigat\$4) with (scan or sequence or trial or run)) or "pre-scan")))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008
(((magnetic adj resonan\$2) or MRI or NMR) and (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard or navigat\$4) with (scan or sequence or trial or run)) or "pre-scan")) ) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") same (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard or navigat\$4) with (scan or sequence or trial or run)) or "pre-scan"))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-14-2008

((magnetic adj resonan\$2) or MRI or NMR) and (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard or navigat\$4) with (scan or sequence or trial or run)) or "pre-scan")) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") same (((match\$3 or align\$4 or synchroniz\$4) same ("in-plane" or direction\$4 or (along with( axis or axial\$2)) with (phase adj encod\$4))) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard or navigat\$4) with (scan or sequence or trial or run)) or "pre-scan")) ) and (sens\$4 or sensitivity or sensitive)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-14-2008
(fetzner ) and ("in plane" or "through plane") same (phas\$3) same (encod\$3))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-14-2008
(fetzner ) and ("in-plane" or "through-plane")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-14-2008
(fetzner and ("in-plane" or "through-plane") ) and ((parallel or PPA) with (imag\$4 or "PI"))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-14-2008
((magnetic adj resonan\$2) or MRI or NMR)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) ) and ((parallel or PPA) with (imag\$4 or "PI"))	PGPB, USPT, USOC, EPAB, JPAB,	ADJ			04-21-2008

	DWPI, TDBD			
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ("in-plane" with (phase adj encod\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ("in-plane" with (phase adj encod\$4)) and (((gradient or spin) with (echo\$4)) or "GE" or "gre" or "SE")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ("in-plane" with (phase adj encod\$4)) and (((gradient or spin) with (echo\$4)) or "GE" or "gre" or "SE") and (((parallel or PPA) with (imag\$4) or "PI") with (scan or sequence or trial or run)) same (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3)	PGPB, USPT, USOC, EPAB, JPAB,	ADJ		04-21-2008

same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) ) and (sense or sensitivity)	DWPI, TDBD			
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (sense or sensitivity) ) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") ) and ((time or duration) with (imaging or sequence or run or trial or scan\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") and ((time or duration) with (imaging or sequence or run or trial or scan\$4)) ) and (signal\$3 or noise or noisy or SNR or ratio)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (sense or sensitivity) and (((gradient or spin or field) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") and ((time or duration) with (imaging or sequence or run or trial or scan\$4)) and (signal\$3 or noise or noisy or SNR or ratio) ) and ((amount or value or level or total or quantity) same (noise or SNR))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and ((align\$4 or synchroniz\$3 or match\$3) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (sense or sensitivity) )	PGPB, USPT, USOC,	ADJ	YES	04-21-2008

standard) with (scan or sequence or trial or run)) or "pre-scan") ) and (((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4))	EPAB, JPAB, DWPI, TDBD				
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4)) ) and ((align\$4 or synchroniz\$3 or match\$3 or correlat\$4 or correspond\$4) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4)) and ((align\$4 or synchroniz\$3 or match\$3 or correlat\$4 or correspond\$4) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) ) and (((gradient or spin or field or hahn) with (echo\$4)) or "GE" or "gre" or "SE" or "fse")	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4)) ) and ((align\$4 or synchroniz\$3 or match\$3 or correlat\$4 or correspond\$4) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (((gradient or spin or field or hahn) with (echo\$4)) or "GE" or "gre" or "SE" or "fse") ) and (open\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		04-21-2008
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((parallel or PPA) with imag\$4) or "PI")	PGPB, USPT, USOC, EPAB, JPAB,	ADJ	YES		04-21-2008

with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4)) and ((align\$4 or synchroniz\$3 or match\$3 or correlat\$4 or correspond\$4) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (((gradient or spin or field or hahn) with (echo\$4)) or "GE" or "gre" or "SE" or "fsc")) and (open\$3 or openning or openable)	DWPI, TDBD			
((magnetic adj resonan\$2) or MRI or NMR) and ((parallel or PPA) with (imag\$4 or "PI")) and (((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty or standard) with (scan or sequence or trial or run)) or "pre-scan") and (((((parallel or PPA) with imag\$4) or "PI") with (scan or sequence or trial or run)) same ((calibrat\$4 or referenc\$3 or preliminary or initial\$2 or preparatoty) with (scan or sequence or trial or run)) same (phas\$4 with encod\$4)) and ((align\$4 or synchroniz\$3 or match\$3 or correlat\$4 or correspond\$4) same ("in-plane" or axis or direction\$4) same (phase adj encod\$4)) and (((gradient or spin or field or hahn) with (echo\$4)) or "GE" or "gre" or "SE" or "fsc") ) and (sense or sensitivity or sens\$3)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES	04-21-2008